

SWBAT

Calculate work in given situations

Sep 4-7:31 AM

BACK OF NOTEBOOK:

"PHYSICS CODE WORDS"

MAGNITUDE: SIZE, HOW BIG

VECTORS HAVE MAG. & DIRECTION

* HORIZONTAL: SIDEWAYS, LEFT/RIGHT, X-DIRECTION

VERTICAL: UP/DOWN, Y-DIRECTION
"VERY TALL"

AT REST: VELOCITY = 0

CONSTANT SPEED/VELOCITY: BALANCED FORCES,
NET FORCE = 0

Σ : "SIGMA", SUM, TOTAL ACCELERATION = 0
(+ & -) "NET"

NORMAL: SUPPORT FORCE, ON A SURFACE
→ PERPENDICULAR

TENSION: FORCE FROM A ROPE

Mar 30-9:46 AM

What we should have solid:

Memorize our ^{8 12} vocab cards, units, vector or not, definition, formula

Be able to answer distance vs displacement questions

Be able to make measurements of real-life motion. Know what is likely to make timing things difficult and how to get more reliable timing results

Be able to convert between miles and meters, between hours, minutes, and seconds

Be able to calculate speed = dist/time and velocity = disp/time

Know what all of the symbols in the UAM equations stand for and mean

Be able to turn a UAM word problem into a list of knowns and unknowns

Be able to pick the equation with those 4 things in it

Be able to put the knowns into that equation

(Be able to solve for the unknown)

→ PROJECTILES: v_x IS CONSTANT; $a_y = -9.81 \text{ m/s}^2$ ^{v_y CHANGES} PG 42

PG 43 TIME, Δt , CONNECTS x & y
PG 53 1ST LAW

PG 49 VECTORS INTO x & y , ADD VECTORS
SOH - CAH - TOA

PG 59 DIFFERENCE BETWEEN MASS & WEIGHT

PG 61 NET FORCE

PG 63 FREE BODY DIAGRAMS

$$F = m \cdot a$$

PG 70 $F_f = \mu \cdot N$

QW every day to review - gather responses to front board.

Dec 4-9:15 AM

Welcome!!!

SECA CP Physics
Thursday 14 April 2016



H. Leslie Grebe
Room C-244

Centering
(circle)

Hmwk for **Fri 4/15**: Vocab cards Work, Power, - s
Kinetic Energy, Potential Energy

Opening Activity: Quick Write

What units does work get
measured in? Energy? Connected
to anything we know?

WORK & ENERGY ARE MEASURED IN JOULES
 $1 \text{ J} = 1 \text{ N} \cdot \text{m}$ $1 \text{ N} = 1 \frac{\text{kg} \cdot \text{m}}{\text{s}^2}$

Act as if what you do makes a difference. It does. -William James

Circle: oops / jk / win!

- careers did you used to want?

- New class challenge: EdReady goal?

Reward?

Sep 7-7:04 AM

InterActive Notebook - Table of Contents

Unit

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Sep 5-9:09 AM

Physics Readiness - goals / CHALLENGE?



Apr 14-8:33 AM

CLASS CHALLENGE!

DUE WED 4/20

- GET EdReady #2 AVERAGE UP TO 50 (NOW 33)
- AND 18 (3/STUDENT AVERAGE)

REWARD: S'MORES COOKED IN CLASS
& MILK ON MON 4/25

CLASS CODE:
"CAN I GET A YES?" YES!
DOPS / I GOT THIS / SO CLOSE

Apr 15-10:11 AM